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UNITED STATES DEPARTMENT OF AGRICULTURE

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MARKET NEWS SECTION — COTTON DIVISION

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United States Cotton Quality Report For Ginnings Prior To September 1, 1970

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Upland cotton ginned in the United States prior to September 1 this season contained the largest proportion of 1-1/16" cotton on record, according to the Department of Agriculture, Consumer and Marketing Service. This length comprised two-thirds of the total ginnings. Middling and higher White grades accounted for the lowest percentage of ginnings through August 31 on record, while Strict Low Middling Plus and lower White grades accounted for the highest. Micronaire test results indicate that cotton in the 3.5-4.9 premium range comprised 86 percent of this season's early ginnings against 89 percent last season. The fiber strength of cotton ginned prior to September 1 this season averaged 87,000 pounds per square inch compared with 88,000 a year ago.

Average Staple Longer

The average staple of upland cotton ginned prior to September 1 this season was 33.6 thirty-seconds inches. This compares with 32.5 thirty-seconds a year ago. Cotton stapling 1-1/16" and longer accounted for 71 percent of total ginnings prior to September 1 this season compared with 39 percent in these longer lengths to the same date last season. The length 1-1/16" comprised 67 percent of ginnings through August 31, the largest proportion for any like period on record. The staples one inch and 1-1/32", combined, were equivalent to 23 percent of this season's ginnings through August 31 against 35 percent in the corresponding period a year ago. Cotton stapling 31/32" and shorter was equivalent to six percent of ginnings prior to September 1, the smallest percentage for any comparable period on record.

Grade Index Lower

The grade index in this season's ginnings prior to September 1 was 90.9 (Middling White=100) compared with 93.6 a year ago. Middling and higher White grades comprised 11 percent of upland ginnings prior to September 1 this season. This is down considerably from a year earlier and represents the smallest proportion of ginnings prior to September 1 since records on quality estimates became available. The White grades below Middling accounted for 62 percent of ginnings through August 31, the largest proportion on record. Light Spotted and other Colored grades were equivalent to 27 percent of this season's early ginnings compared with 20 percent in the same period a year ago.

Total Ginnings

Cotton ginned prior to September 1 this season totaled 280,000 bales, according to the Bureau of the Census. This is the smallest volume of ginnings prior to September 1 since 1919 and is equivalent to less than three percent of the indicated 1970 crop. Cotton ginned through August 31 last season totaled 528,000 bales or five percent of the 1969 crop. Texas ginnings accounted for 99 percent of this season's early ginnings, the same as a year ago.

Table 1. Specified measures of quality for upland ginnings 1/

Item	August 1-31		Season through August 31		Supply to September 1	
	1969	1970	1969	1970	1969	1970
Grade index (Mid. White=100)	93.2	90.9	93.6	90.9	93.2	93.2
Average staple, 32nd in.	32.4	33.6	32.5	33.6	33.7	34.0
Rough preparation, percent	*	0.1	*	0.1	-	-
Tenderable, percent 2/	75.5	61.8	78.1	62.1	-	-
Ave. mike reading	4.3	4.5	4.3	4.5	-	-
Ave. fiber strength (Mpsi)	87.9	87.4	88.0	87.4	-	-

1/ Data for current season are preliminary.

2/ Tenderable for grade and staple in settlement of futures contracts.

* Less than 0.05 percent.

Table 2. Upland cotton in the United States, ginnings and supply, by grade 1/

Grade	Code	August 1-31			Season through August 31			Supply to September 1			Change in Supply		
		1969	1970		1969	1970		1969	1970		1970 from 1969		
			Bales	Pct.		Bales	Pct.		bales	Pct.			
<u>White</u>													
G.M.	(11)	10	15	*	26	15	*	2	1,000	1,000	bales	Pct.	
S.M.	(21)	3,937	689	0.9	6,238	989	1.2	127	105	1.8	-1	-50.0	
M.+	(30)	47	-	*	47	-	*	67	53	1.0	-14	-20.9	
M.	(31)	94,438	28,652	21.1	116,956	29,469	22.1	1,288	1,093	18.8	-195	-15.1	
S.L.M.+	(40)	7,827	1,568	1.7	9,223	1,595	1.7	432	363	6.3	-69	-16.0	
S.L.M.	(41)	153,651	105,556	34.4	190,020	108,119	36.1	1,960	1,709	28.6	-251	-12.8	
L.M.+	(50)	13,297	5,025	3.0	15,218	5,025	2.9	284	230	4.1	-54	-19.0	
L.M.	(51)	67,816	52,603	15.1	73,341	53,284	13.9	534	480	7.8	-54	-10.1	
S.G.O.+	(60)	1,615	278	0.4	1,615	278	0.3	20	16	0.3	-4	-20.0	
S.G.O.	(61)	8,189	4,864	1.8	8,220	4,864	1.6	93	66	1.4	-27	-29.0	
G.O.+	(70)	39	-	*	39	-	*	1	1	*	0	-	
G.O.	(71)	745	190	0.2	745	190	0.1	10	9	0.1	-1	-10.0	
<u>Light Spotted</u>													
G.M.	(12)	-	-	-	-	-	-	1	**	*	-1	-100.0	
S.M.	(22)	951	103	0.2	1,214	130	0.2	36	66	0.5	+30	+83.3	
M.	(32)	54,269	14,257	12.1	60,268	14,611	11.4	712	590	10.4	-122	-17.1	
S.L.M.	(42)	28,159	38,751	6.3	31,145	39,568	5.9	644	698	9.4	+54	+8.4	
L.M.	(52)	5,881	16,969	1.3	6,173	17,296	1.2	160	174	2.3	+14	+8.8	
<u>Spotted</u>													
G.M.	(13)	-	-	-	-	-	-	1	-	*	-1	-100.0	
S.M.	(23)	34	59	*	47	59	*	23	9	0.3	-14	-60.9	
M.	(33)	651	352	0.1	680	379	0.1	172	35	2.5	-137	-79.7	
S.L.M.	(43)	653	1,597	0.1	684	1,651	0.1	133	77	1.9	-56	-42.1	
L.M.	(53)	349	1,055	0.1	380	1,082	0.1	46	26	0.7	-20	-43.5	
Tinged 2/	(14-54)	20	15	*	20	15	*	74	38	1.1	-36	-48.6	
Stained 2/	(15-35)	-	-	-	-	-	-	2	5	*	+3	+150.0	
<u>Light Gray</u>													
G.M.	(16)	-	-	-	-	-	-	-	-	-	-	-	
S.M.	(26)	187	-	*	218	-	*	1	1	*	0	-	
M.	(36)	2,305	264	0.5	2,321	264	0.4	13	15	0.2	+2	+15.4	
S.L.M.	(46)	2,432	293	0.5	2,432	293	0.5	7	1	0.1	-6	-85.7	
<u>Gray</u>													
G.M.	(17)	-	-	-	-	-	-	-	-	-	-	-	
S.M.	(27)	-	-	-	-	-	-	-	-	-	-	-	
M.	(37)	105	15	*	105	15	*	1	**	*	-1	-100.0	
S.L.M.	(47)	335	15	0.1	335	15	0.1	3	**	*	-3	-100.0	
Below Grade 3/		497	645	0.1	513	645	0.1	28	28	0.4	0	-	
All grades		448,439	273,830	100.0	528,223	279,851	100.0	6,875	5,889	100.0	-986	-14.3	

1/ Data for current season are preliminary.

2/ Includes all grades.

3/ Bales that are lower in grade than the lowest official standard for the corresponding color group.

* Less than 0.05 percent. ** Less than 500 bales.

Table 3. Upland cotton in the United States, ginnings and supply, by staple 1/

Staple	Code	August 1-31				Season through August 31				Supply to September 1				Change in Supply	
		1969		1970		1969		1970		1969		1970		1970 from 1969	
		Bales	Pct.	Bales	Pct.	Bales	Pct.	Bales	Pct.	1,000 bales	1,000 bales	Pct.	Pct.	1,000 bales	Pct.
13/16" & shorter	(26)	689	-	337	0.2	689	-	-	0.1	1	2	*	*	+1	+100.0
7/8"	(28)	10,147	2.3	337	0.1	10,294	1.9	337	0.1	26	15	0.4	0.3	-11	-42.3
29/32"	(29)	32,708	7.3	3,384	1.2	33,567	6.4	3,384	1.2	91	47	1.3	0.8	-44	-48.4
15/16"	(30)	42,075	9.4	8,820	3.2	45,253	8.6	8,874	3.2	388	165	5.6	2.8	-223	-57.5
31/32"	(31)	37,788	8.4	3,897	1.4	48,000	9.1	3,897	1.4	452	117	6.6	2.0	-335	-74.1
1"	(32)	52,203	11.6	8,855	3.2	64,362	12.2	9,127	3.3	573	266	8.3	4.5	-307	-53.6
1-1/32"	(33)	91,170	20.3	53,702	19.6	120,718	22.9	54,736	19.6	894	799	13.0	13.6	-95	-10.6
1-1/16"	(34)	171,305	38.2	184,932	67.7	193,615	36.6	188,504	67.3	1,997	2,511	29.0	42.6	+514	+25.7
1-3/32"	(35)	9,854	2.2	8,950	3.3	11,178	2.1	10,039	3.6	1,525	1,403	22.2	23.8	-122	-8.0
1-1/8"	(36)	460	0.1	132	*	507	0.1	132	*	640	359	9.3	6.1	-281	-43.9
1-5/32"	(37)	10	*	-	-	10	*	-	*	258	172	3.8	2.9	-86	-33.3
1-3/16"	(38)	20	*	381	0.1	20	*	381	0.1	25	29	0.4	0.5	+4	+16.0
1-7/32"	(39)	-	-	-	-	-	-	-	-	1	**	*	*	-1	-100.0
1-1/4"	(40)	10	*	440	0.2	10	*	440	0.2	4	4	0.1	0.1	0	-
& longer															
All staples		448,439	100.0	273,830	100.0	528,223	100.0	279,851	100.0	6,875	5,889	100.0	100.0	-986	-14.3

1/ Data for current season are preliminary.

* Less than 0.05 percent.

Table 4. Percentage of ginnings reduced in grade, by specified causes, prior to September 1, 1970 with 1969 comparisons, by states 1/

State	Grade reductions						Total reductions					
	Grass			Bark			Other causes			Total reductions		
	1969	Pct.	1970	1969	Pct.	1970	1969	Pct.	1970	1969	Pct.	1970
Georgia	22.7	-	-	-	-	-	-	-	-	22.7	-	-
Florida	25.2	-	-	-	-	-	-	-	-	25.2	-	-
Alabama	-	-	3.7	-	-	-	-	-	-	-	-	3.7
Texas	1.3	-	4.5	0.4	-	-	*	*	*	1.7	-	5.9
Arizona	6.3	-	-	-	-	-	-	-	-	6.3	-	-
United States	1.4	-	4.5	0.4	-	-	*	*	*	1.8	-	5.9

1/ Data for current season are preliminary.

* Less than 0.05 percent.

Table 5. Percentage distribution of the grade of upland cotton ginned prior to September 1, 1970 with 1969 comparisons, by states 1/

State	White										Light Spotted										Other Colored	Below Grade		Grade index 2/					
	SM (21) & higher	M+ (30)	M (31)	SLM+ (40)	SLM (41)	LM+ (50)	LM (51)	SGO+ (60) & lower	SM (22) & higher	M (32)	SIM (42)	LM (52)	1969 Pct.	1970 Pct.	1969 Pct.	1970 Pct.													
	1969 Pct.	1970 Pct.	1969 Pct.	1970 Pct.	1969 Pct.	1970 Pct.	1969 Pct.	1970 Pct.	1969 Pct.	1970 Pct.	1969 Pct.	1970 Pct.																	
S. C.	14.4	-	-	56.8	59.9	-	14.4	30.1	-	-	-	14.4	-	-	-	-	99.3	97.1											
Ga.	10.5	-	-	31.2	24.9	2.6	21.6	50.2	-	6.6	-	9.1	8.3	14.4	16.6	4.0	-	-	95.4	94.9									
Fla.	-	-	-	49.6	50.0	-	-	33.3	-	25.2	-	25.2	16.7	-	-	-	-	-	95.5	97.5									
Ala.	5.8	-	-	37.7	29.7	10.4	17.6	33.2	-	0.9	3.7	-	0.4	4.9	7.5	20.9	22.2	0.5	3.7	0.9	-	-	-	96.0	94.0				
Miss.	44.8	-	-	42.2	33.4	-	-	1.9	33.3	-	-	-	11.1	-	-	33.3	-	-	-	-	-	-	-	101.9	94.3				
Ia.	10.5	-	-	51.0	39.4	-	-	29.7	45.4	1.0	-	3.1	15.2	-	4.7	-	-	-	-	-	-	-	-	97.9	95.0				
Tex.	1.1	0.4	*	21.9	10.3	1.7	0.6	36.3	38.7	2.9	1.8	14.0	19.2	2.0	2.0	0.2	*	11.5	5.2	5.8	14.1	1.2	6.2	1.3	1.3	0.1	0.2	93.5	90.9
Ariz.	-	-	-	86.3	24.5	-	-	6.6	56.6	-	-	-	18.9	-	-	-	7.1	-	-	-	-	-	-	-	98.8	93.8			
Calif.	-	-	-	51.2	-	-	-	41.4	-	-	-	-	-	-	-	-	7.4	-	-	-	-	-	-	-	96.7	-			
U. S.	1.2	0.4	*	22.1	10.5	1.7	0.6	36.1	38.8	2.9	1.8	13.9	19.0	2.0	1.9	0.2	*	11.4	5.2	5.9	14.1	1.2	6.2	1.3	1.3	0.1	0.2	93.6	90.9

1/ Data for current season are preliminary.

2/ Middling White equals 100.

* Less than 0.05 percent.

Table 6. Percentage distribution of the staple of upland cotton ginned prior to September 1, 1970 with 1969 comparisons, and total ginnings, by states 1/

State	7/8" (28) & shorter	29/32" (29)	15/16" (30)	31/32" (31)	1" (32)	1-1/32" (33)	1-1/16" (34)		1-3/32" (35)		1-1/8" (36)		1-5/32" (37)		1-3/16" (38) & longer		Average staple 2/		Total upland ginnings			
							1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	Bales	Bales
S. C.	-	-	-	-	-	-	-	71.8	19.9	28.2	80.1	-	-	-	-	-	-	34.3	34.8	347	502	
Ga.	-	-	-	4.5	-	4.5	-	39.9	50.0	46.5	50.0	4.6	-	-	-	-	-	33.4	33.5	2,554	590	
Fla.	-	-	-	-	50.5	16.7	49.5	16.7	-	66.6	-	-	-	-	-	-	-	32.5	33.5	107	120	
Ala.	-	-	-	-	26.4	-	46.2	22.2	26.4	70.3	1.0	7.5	-	-	-	-	-	33.0	33.9	791	859	
Miss.	-	-	-	-	-	-	30.0	33.3	69.2	33.4	0.8	33.3	-	-	-	-	-	33.7	34.0	377	120	
La.	-	-	-	-	-	-	2.9	9.1	86.0	75.7	11.1	15.2	-	-	-	-	-	34.1	34.1	939	330	
Tex.	2.1	0.1	6.4	1.2	8.7	3.2	9.2	1.4	12.3	3.3	22.8	19.5	36.4	67.6	2.0	3.4	0.1	*	*	522,191	277,277	
Ariz.	-	-	-	-	-	-	-	-	-	-	-	-	6.6	47.2	76.5	52.8	16.9	-	35.1	34.5	714	53
Calif.	-	-	-	-	-	-	-	-	-	-	-	-	48.3	-	51.7	-	-	34.5	-	203	-	
U. S.	2.0	0.1	6.4	1.2	8.6	3.2	9.1	1.4	12.2	3.3	22.9	19.6	36.6	67.3	2.1	3.6	0.1	*	*	528,223	279,851	

1/ Data for current season are preliminary.

2/ Expressed in thirty-seconds of an inch.

* Less than 0.05 percent.

Table 7. Percentage distribution of micronaire readings for upland ginnings prior to September 1, 1970 with 1969 comparisons, by states 1/

State	2.6 and below		2.7-2.9		3.0-3.2		3.3-3.4		3.5-3.9		4.0-4.4		4.5-4.9		5.0-5.2		5.3 and above		Totals						Average mike					
	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	Below 3.5		3.5-4.9		5.0 and above		1969	1970				
																			1969	1970	1969	1970	1969	1970			1969	1970		
	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Rdg.</u>	<u>Rdg.</u>		
S. C.	-	-	-	-	-	-	-	-	14.4	-	14.1	39.9	42.7	50.1	28.8	10.0	-	-	-	-	-	-	-	-	71.2	90.0	28.8	10.0	4.7	4.5
Ga.	-	-	-	-	-	-	-	8.3	-	-	10.5	50.2	26.2	24.9	16.4	8.3	46.9	8.3	-	8.3	36.7	75.1	63.3	16.6	5.1	4.5	4.5	4.5		
Fla.	-	-	-	-	-	-	-	-	-	-	-	33.4	25.2	49.9	25.2	16.7	49.6	-	-	-	25.2	83.3	74.8	16.7	5.3	4.6	4.6	4.6		
Ala.	-	-	-	-	-	-	-	-	0.5	-	12.4	18.7	39.0	62.7	1.3	14.9	46.8	3.7	-	-	51.9	81.4	48.1	18.6	5.0	4.7	4.7	4.7		
Miss.	-	-	-	-	-	-	-	-	-	-	8.5	33.3	13.0	33.4	19.7	33.3	58.8	-	-	-	21.5	66.7	78.5	33.3	5.1	4.7	4.7	4.7		
Ia.	-	-	-	-	-	-	-	-	-	-	5.4	83.3	36.7	16.7	24.3	-	33.6	-	-	-	42.1	100.0	57.9	-	5.0	4.3	4.3	4.3		
Tex.	*	0.4	0.2	1.5	0.8	1.6	1.1	16.1	9.0	44.8	31.3	28.8	45.3	4.0	10.0	2.8	2.3	3.5	2.1	89.7	85.6	6.8	12.3	4.3	4.5	4.5	4.5	4.5		
Ariz.	-	-	-	-	-	-	-	-	26.5	-	66.9	84.9	6.6	15.1	-	-	-	-	-	-	100.0	100.0	-	-	4.1	4.4	4.4	4.4		
Calif.	-	-	-	0.5	-	4.4	-	32.0	-	59.1	-	4.0	-	-	-	-	-	4.9	-	95.1	-	-	-	-	4.0	-	-	-		
U. S.	*	0.4	0.2	1.4	0.8	1.6	1.1	15.9	8.9	44.6	31.3	28.7	45.5	4.2	10.0	3.2	2.2	3.4	2.1	89.2	85.7	7.4	12.2	4.3	4.5	4.5	4.5	4.5		

1/ Data for current season are preliminary.

* Less than 0.05 percent.

Table 8. Percentage distribution of fiber strength for upland cotton ginnings, prior to September 1, 1970 with 1969 comparisons, by states 1/

State	Zero Gage Fiber Strength (Mpsi)																		Average strength	
	64 & below		65-69		70-74		75-79		80-84		85-89		90-94		95-99		100 & above		1969	1970
	1969	Pct.	1970	Pct.	1969	Pct.	1970	Pct.	1969	Pct.	1970	Pct.	1969	Pct.	1970	Pct.	1969	Pct.		
Ala.	-	-	-	-	3.2	-	-	-	16.2	-	16.2	-	16.2	-	33.7	-	1.6	-	90.4	-
Miss.	-	-	-	-	-	-	-	-	-	-	-	-	31.7	-	48.1	-	20.2	-	97.0	-
Tex.	-	-	-	-	*	0.3	2.4	5.1	19.6	19.9	42.4	41.1	28.2	27.1	6.8	6.2	0.6	0.3	88.0	87.4
Ariz.	-	-	-	-	-	-	6.2	-	55.2	-	38.6	-	-	-	-	-	-	-	83.9	-
U. S.	-	-	-	-	*	0.3	2.4	5.1	19.6	19.9	42.4	41.1	28.2	27.1	6.8	6.2	0.6	0.3	88.0	87.4

1/ Data for current season are preliminary.

* Less than 0.05 percent.

